PB-217 372

BIOLOGICAL PRODUCTS, ESTABLISHMENTS LICENSED FOR THE PREPARATION AND SALE OF VIRUSES, SERUMS, TOXINS AND ANALOGOUS PRODUCTS, AND THE TRIVALENT ORGANIC ARSENIC COMPOUNDS

Public Health Service
Washington, D.C.

1 January 1968

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U. S. DEPARTMENT OF COMMERCE
5285 Port Royal Road, Springfield Va. 22151

PB 217 372

Medical Products

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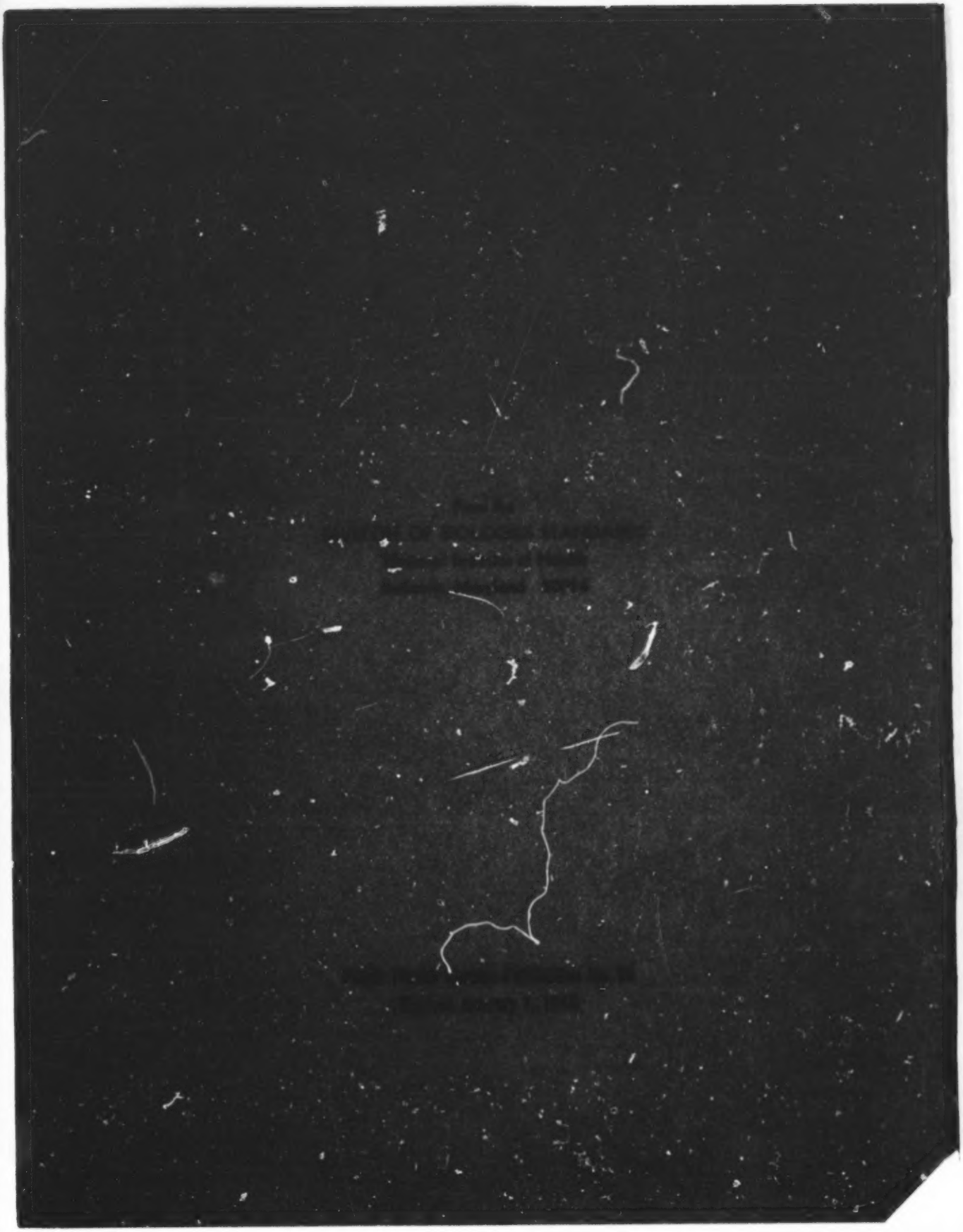

[Reprinted from *Federal Register, February 7, 1968*]

Notices

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Public Health Service

BIOLOGICAL PRODUCTS

There is presented herewith a list of the establishments holding licenses issued in accordance with section 351 of an act of Congress approved July 1, 1944, entitled "Public Health Service Act" (58 Stat. 682), and a list of the products which each establishment is licensed to manufacture. Section 351 of this act is designed to regulate the sale, barter and exchange of viruses, serums, toxins, antitoxins, analogous products, and arsphenamine or its derivatives (or any other trivalent organic arsenic compound) in the District of Columbia, in interstate and foreign commerce, and for other purposes.

The licenses granted to these establishments for the products mentioned do not imply an endorsement of the respective preparations. The granting of a license means that the establishment is inspected regularly as to the technical ability of the responsible personnel and as to the sanitary condition of the premises; it means that all products are manufactured by methods considered to be safe; it means that tests have been applied by the manufacturer to the finished products to insure their safety and purity; it means that in all instances where there is an official standard of potency, or where an official test of potency is recognized, the product has been tested against such standards or by such a test; it means that the establishment is required to carry out those requirements specified by the National Institutes of Health in Public Health Service regulations, designed to insure the continued safety, purity, and potency of the licensed products.

Part I. Establishments Arranged by License Number Showing the Products for Which Each Establishment Is Licensed

LICENSED ESTABLISHMENTS

License No. 1—Parke, Davis & Co., Detroit, Mich.

Antitoxins

B. oedematiens Antitoxin.
Diphtheria Antitoxin.
Dysentery Antitoxin, Shiga.
Perfringens Antitoxin.
Tetanus Antitoxin.
Tetanus and Gas Gangrene Polyvalent Antitoxin.
V. septique Antitoxin.

Blood and Blood Derivatives

Fibrinolysin and Desoxyribonuclease Combined (Bovine).
Fibrinolysin and Desoxyribonuclease Combined (Bovine) with Chloramphenicol.
Histamine Azoprotein.
Immune Serum Globulin (Human).
Measles Immune Globulin (Human).
Normal Serum Albumin (Human).
Poliomyelitis Immune Globulin (Human).
Tetanus Immune Globulin (Human).
Thrombin.

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Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Pertussis Vaccine Aluminum Phosphate Adsorbed.
Typhoid and Paratyphoid Vaccine.
Two polyvalent bacterial vaccines with "No U.S. Standard of Potency."

Bacterial Antigens

Two polyvalent bacterial antigens with "No U.S. Standard of Potency."

Modified Bacterial Antigens

One polyvalent modified bacterial antigen with "No U.S. Standard of Potency."

Bacterial Vaccines and Antigens Combined

Two polyvalent bacterial vaccines and bacterial antigens with "No U.S. Standard of Potency."

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Diphtheria Toxoid Aluminum Phosphate Adsorbed.
Staphylococcus Toxoid.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Phosphate Adsorbed.

Multiple Antigen Preparations

Adenovirus and Influenza Virus Vaccines Combined Aluminum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids and Pertussis and Poliomyelitis Vaccines Aluminum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Aluminum Phosphate Adsorbed and Poliomyelitis Vaccine.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids Combined.
Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Adsorbed.
Diphtheria Toxoid and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.
Staphylococcus Toxoid and Bacterial Antigen made from Staphylococcus (Albus and Aureus).

Viral and Rickettsial Vaccines

Adenovirus Vaccine.
Influenza Virus Vaccine.
Poliomyelitis Vaccine.
Poliomyelitis Vaccine Aluminum Phosphate Adsorbed.
Rabies Vaccine.
Smallpox Vaccine.

Diagnostic Substances for Dermal Tests

Blastomycin.
Diphtheria Toxin for Shick Test.
Histoplasmin.
Tuberculin, Old.
Tuberculin, Purified Protein Derivative.

Diagnostic Substances for Laboratory Tests

Anti-Influenza Virus Serum for the Hemagglutination Inhibition Test.
Influenza Virus Hemagglutinating Antigen.

Miscellaneous

Allergenic Extracts.
Oxophenarsine Hydrochloride.
Poison Ivy Extract.

License No. 2—Merck Sharp & Dohme, Division of Merck & Co., Inc., West Point, Pa.

Antitoxins

Tetanus Antitoxin.

Blood and Blood Derivatives

Fibrinogen (Human).
Fibrinogen with Antihemophilic Factor (Human).
Fibrinolysin and Desoxyribonuclease Combined (Bovine).
Fibrinolysin (Human).
Immune Serum Globulin (Human).
Normal Bovine Serum.
Normal Horse Serum.
Normal Serum Albumin (Human).

Poliomyelitis Immune Globulin (Human).
Tetanus Immune Globulin (Human).

Bacterial Vaccines

Cholera Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.

Sensitized Bacterial Vaccines

Typhoid and Paratyphoid Vaccine.
Three polyvalent sensitized bacterial vaccines with "No U.S. Standard of Potency".

Bacterial Antigens

Three polyvalent bacterial antigens with "No U.S. Standard of Potency".

Toxoids and Toxins for Immunization

Tetanus Toxoid.

Multiple Antigen Prepartions

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Alum Precipitated and Poliomyelitis Vaccine.
Diptheria and Tetanus Toxoids and Pertussis Vaccine Aluminum Phosphate Adsorbed and Poliomyelitis Vaccine.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Alum Precipitated.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.
Measles-Smallpox Vaccine, Live.
Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.
Measles Virus Vaccine, Live, Attenuated.
Mumps Virus Vaccine, Live.
Poliomyelitis Vaccine.
Smallpox Vaccine.
Typhus Vaccine.

Diagnostic Substances for Dermal Tests

Tuberculin, Purified Protein Derivative.

Miscellaneous

Antivenin (*Latrodectus mactans*).
Blood Group Specific Substances A and B.
Poison Ivy Extract.

License No. 3—Wyeth Laboratories, Inc., Marietta, Pa.

Antitoxins

Diphtheria Antitoxin.
Gas Gangrene Polyvalent Antitoxin.
Tetanus Antitoxin.
Tetanus and Gas Gangrene Polyvalent Antitoxin.

Blood and Blood Derivatives

Normal Horse Serum.

Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Diphtheria Toxoid Aluminum Phosphate Adsorbed.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Phosphate Adsorbed.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids Alum Precipitated and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids Combined Alum Precipitated.
Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.
Tetanus and Diphtheria Toxoids Combined Aluminum Phosphate Adsorbed (For Adult Use).
Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Adenovirus Vaccine.
Influenza Virus Vaccine.
Poliovirus Vaccine, Live, Oral, Trivalent.
Poliovirus Vaccine, Live, Oral, Type 1.
Poliovirus Vaccine, Live, Oral, Type 2.
Poliovirus Vaccine, Live, Oral, Type 3.
Smallpox Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.
Scarlet Fever Streptococcus Toxin for Dick Test.

Miscellaneous

Antivenin (Crotalidae) Polyvalent.
Antivenin (Micrurus fulvius)

License No. 8—Cutter Laboratories, Berkeley, Calif.

Antitoxins

Diphtheria Antitoxin.
Tetanus Antitoxin.

Blood and Blood Derivatives

Antihemophilic Globulin (Human).
Fibrinogen (Human).
Fibrinogen with Antihemophilic Factor (Human).
Immune Serum Globulin (Human).
Mumps Immune Globulin (Human).
Normal Human Plasma.
Normal Serum Albumin (Human).
Pertussis Immune Globulin (Human).
Plasma Protein Fraction (Human).
Poliomyelitis Immune Globulin (Human).
Tetanus Immune Globulin (Human).
Thrombin.

Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Pertussis Vaccine Aluminum Hydroxide Adsorbed.
Plague Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.
Two polyvalent bacterial vaccines with "No U.S. Standard of Potency."

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Diphtheria Toxoid Aluminum Hydroxide Adsorbed.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Hydroxide Adsorbed.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Alum Precipitated.
Diphtheria and Tetanus Toxoids Aluminum Hydroxide Adsorbed and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids Combined.
Diphtheria and Tetanus Toxoids Combined Aluminum Hydroxide Adsorbed.
Diphtheria Toxoid Aluminum Hydroxide Adsorbed and Pertussis Vaccine Combined.
Diphtheria Toxoid and Pertussis Vaccine Combined.
Tetanus Toxoid and Pertussis Vaccine Combined.
Tetanus and Diphtheria Toxoids Combined Aluminum Hydroxide Adsorbed (For Adult Use).

Viral and Rickettsial Vaccines

Equine Encephalomyelitis Vaccine (Eastern).
Equine Encephalomyelitis Vaccine (Western).
Poliomyelitis Vaccine.
Smallpox Vaccine.

Diagnostic Substances for Dermal Tests

Coccidioidin.
Diphtheria Toxin for Schick Test.
Schick Test Control.
Tuberculin, Old.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.

Miscellaneous

Allergenic Extracts.
Poison Ivy Extract.
Poison Oak Extract.

License No. 17—Lederle Laboratories Division, American Cyanamid Co., Pearl River, N.Y.

Antitoxins

Botulism Antitoxin.
Diphtheria Antitoxin.
Gas Gangrene Polyvalent Antitoxin.
Tetanus Antitoxin.
Tetanus and Gas Gangrene Polyvalent Antitoxin.

Therapeutic Immune Serums

Antirabies Serum.

Blood and Blood Derivatives

Immune Serum Globulin (Human).
Measles Immune Globulin (Human).
Tetanus Immune Globulin (Human).

Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Typhoid and Paratyphoid Vaccine.
Four polyvalent bacterial vaccines with "No U.S. Standard of Potency."

Toxoids and Toxins for Immunization

Staphylococcus Toxoid.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Phosphate Adsorbed.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Alumninum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Adsorbed.
Tetanus and Diphtheria Toxoids Combined Aluminum Phosphate Adsorbed (For Adult Use).

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.
Measles Virus Vaccine, Live, Attenuated.
Mumps Vaccine.
Poliovirus Vaccine, Live, Oral, Trivalent.
Poliovirus Vaccine, Live, Oral, Type 1.
Poliovirus Vaccine, Live, Oral, Type 2.
Poliovirus Vaccine, Live, Oral, Type 3.
Rabies Vaccine.
Rocky Mountain Spotted Fever Vaccine.
Smallpox Vaccine.
Typhus Vaccine.

Diagnostic Substances for Dermal Tests

Histoplasmin.
Lymphogranuloma Venereum Antigen.
Tuberculin, Patch Test.
Tuberculin, Tine Test.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-Rh Typing Serums:
Anti-Rh$_o$ (Anti-D).
Anti-Rh$_o$' (Anti-CD).
Anti-Rh$_o$ rh' rh'' (Anti-CDE).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).
Anti-hr'' (Anti-e).
Anti-Human Serum.

Miscellaneous

Allergenic Extracts.
Streptokinase—Streptodornase.
Trichinella Extract.

License No. 21—Swiss Serum and Vaccine Institute Berne, Berne, Switzerland

Distributors-Norgine Laboratories, Inc., New York, and Serums and Vaccines of America, Assoc., Division of Murai Laboratories, Inc., Miami, Fla.

Antitoxins

Tetanus Antitoxin.

License No. 30—Sherman Laboratories, Detroit, Mich.

Bacterial Vaccines

Eight Polyvalent bacterial vaccines with "No U.S. Standard of Potency".

Bacterial Antigens

One polyvalent bacterial antigen with "No U.S. Standard of Potency".

Miscellaneous

Poison Ivy Extract.
Poison Oak Extract.
Poison Ivy-Poison Oak Extracts Combined.

License No. 43—Abbott Laboratories, North Chicago, Ill.

Blood and Blood Derivatives

Aggregated Radio-Iodinated (I^{131}) Albumin (Human).
Radio-Iodinated (I^{125}) Serum Albumin (Human).
Radio-Iodinated (I^{131}) Serum Albumin (Human).

Miscellaneous

Allergenic Extracts.

License No. 51—The Upjohn Company, Kalamazoo, Mich.

Blood and Blood Derivatives

Thrombin.

License No. 52—E. R. Squibb & Sons, Inc., New Brunswick, N.J.

Blood and Blood Derivatives

Aggregated Radio-Iodinated (I^{131}) Albumin (Human).
Fibrinogen (Human).
Immune Serum Globulin (Human).
Normal Serum Albumin (Human).
Poliomyelitis Immune Globulin (Human).
Radio-Chromated (Cr^{51}) Serum Albumin (Human).
Radio-Iodinated (I^{131}) Serum Albumin (Human).
Radio-Iodinated (I^{131}) Serum Albumin (Human).
Tetanus Immune Globulin (Human).

Multiple Antigen Preparations

Staphylococcus Toxoid and Bacterial antigen made from Staphylococcus (Albus and Aureus).

Diagnostic Substances for Dermal Tests

Lymphogranuloma Venereum Antigen.

License No. 56—Eli Lilly & Co., Indianapolis, Ind.

Antitoxins

Diphtheria Antitoxin.
Perfringens Antitoxin.
Tetanus Antitoxin.
Tetanus and Gas Gangrene Polyvalent Antitoxin.
V. septique Antitoxin.

Blood and Blood Derivatives

Measles Immune Globulin (Human).

Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.
Six polyvalent bacterial vaccines with "No U.S. Standard of Potency".

Bacterial Antigens

Seven polyvalent bacterial antigens with "No U.S. Standard of Potency".

Toxoids and Toxins for Immunization

Tetanus Toxoid

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Alum Precipitated and Poliomyelitis Vaccine.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Alum Precipitated.
Diphtheria and Tetanus Toxoids Combined.
Diphtheria and Tetanus Toxoids Combined Alum Precipitated.
Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.
Measles Virus Vaccine, Inactivated.
Measles Virus Vaccine, Live, Attenuated.
Mumps Vaccine.
Poliomyelitis Vaccine.
Rabies Vaccine.
Smallpox Vaccine.
Typhus Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.
Mumps Skin Test Antigen.
Schick Test Control.
Tuberculin, Old.

Miscellaneous

Allergenic Extracts.

License No. 64—Massachusetts Public Health Biologic Laboratories, Boston, Mass.

Antitoxins

Diphtheria Antitoxin.
Tetanus Antitoxin.

Blood and Blood Derivatives

Immune Serum Globulin (Human).
Normal Serum Albumin (Human).
Plasma Protein Fraction (Human).
Poliomyelitis Immune Globulin (Human).

Bacterial Vaccines

Pertussis Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Phosphate Precipitated.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Precipitated.
Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Precipitated.
Tetanus and Diphtheria Toxoids Combined Aluminum Phosphate Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Smallpox Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.
Schick Test Control.
Tuberculin, Old.

License No. 69—Sterling Drug, Inc., Rensselaer, N.Y.

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.

License No. 73—Connaught Medical Research Laboratories, University of Toronto, Willowdale, Ontario, Canada

Antitoxins

Botulism Antitoxin, Type E.
Diphtheria Antitoxin.
Staphylococcus Antitoxin.
Tetanus Antitoxin.

Blood and Blood Derivatives

Normal Serum Albumin (Human).

Bacterial Vaccines

BCG Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Staphylococcus Toxoid.
Tetanus Toxoid.

Viral and Rickettsial Vaccines

Poliomyelitis Vaccine.
Smallpox Vaccine.

Diagnostic Substances for Dermal Tests

Tuberculin, Purified Protein Derivative. Distributor—Panray-Parlam Corp., Englewood, N.J.

License No. 77—Mallinckrodt Chemical Works, Maryland Heights, Mo.

Blood and Blood Derivatives

Aggregated Radio-Iodinated (I^{131}) Albumin (Human).
Radio-Iodinated (I^{131}) Serum Albumin (Human).
Radio-Iodinated (I^{131}) Serum Albumin (Human).

License No. 84—Terrell's Laboratories, Fort Worth, Tex.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

Miscellaneous

Allergenic Extracts.

License No. 91—Hollister-Stier Laboratories, Spokane, Wash.; Downers Grove, Ill.; Yeadon, Pa.; Los Angeles, Calif.; Atlanta, Ga.; and Dallas, Tex.

Bacterial Vaccines

Two polyvalent bacterial vaccines with "No U.S. Standard of Potency".

Miscellaneous

Allergenic Extracts.
Poison Ivy Extract.
Poison Oak Extract
Poison Ivy-Poison Oak Extracts Combined.

License No. 97—Behringwerke AG., Marburg-Lahn, Germany

Toxoids and Toxins for Immunization

Diphtheria Toxoid Aluminum Hydroxide Adsorbed.
Tetanus Toxoid Aluminum Hydroxide Adsorbed.

Miscellaneous

Streptokinase—Streptodornase.

License No. 99—Bureau of Laboratories, Michigan Department of Public Health, Lansing, Mich.

Antitoxins

Diphtheria Antitoxin.
Tetanus Antitoxin.

Therapeutic Immune Serums

Anti-Hemophilus Influenzae Type b Serum.

Blood and Blood Derivatives

Antihemophilic Globulin (Human).
Citrated Whole Blood (Human).
Fibrinogen (Human).
Immune Serum Globulin (Human).
Normal Horse Serum.
Normal Rabbit Serum.
Normal Serum Albumin (Human).
Tetanus Immune Globulin (Human).

Bacterial Vaccines

Pertussis Vaccine.
Pertussis Vaccine, Adsorbed.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid Aluminum Phosphate Adsorbed.
Tetanus Toxoid Aluminum Phosphate Adsorbed.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.

Viral and Rickettsial Vaccines

Rabies Vaccine.
Smallpox Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.
Histoplasmin.
Schick Test Control.
Tuberculin, Old.

Diagnostic Substances for Laboratory Tests

Pneumococcus Typing Serum.

License No. 101—The National Drug Co., Division of Richardson-Merrell, Inc., Philadelphia, Pa., and Swiftwater, Pa.

Antitoxins

Diphtheria Antitoxin.
Gas Gangrene Polyvalent Antitoxin.
Tetanus Antitoxin.
Tetanus and Gas Gangrene Polyvalent Antitoxin.

Bacterial Vaccines

Cholera Vaccine.
Pertussis Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.
Two polyvalent vaccines with "No U.S. Standard of Potency".

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Scarlet Fever Streptococcus Toxin for Immunization.
Staphylococcus Toxoid.
Streptococcus Erythrogenic Toxin.
Tetanus Toxoid.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids Alum Precipitated and Pertussis Vaccine Combined.
Diphtheria and Tetanus Toxoids Combined Alum Precipitated.
Diphtheria Toxoid Alum Precipitated and Pertussis Vaccine Combined.
Staphylococcus Toxoid and Bacterial Vaccine made from Staphylococcus (Aureus).
Staphylococcus Toxoid—Streptococcus Toxin—Bacterial Vaccine made from Staphylococcus (Aureus), Streptococcus (Hemolyticus), Pneumococcus and Hemophilus Influenzae.
Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.
Rabies Vaccine.
Smallpox Vaccine.
Typhus Vaccine.
Yellow Fever Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.
Schick Test Control.

License No. 102—Mulford Colloid Laboratories, Philadelphia, Pa.

Miscellaneous

Poison Ivy Extract.
Poison Oak Extract.
Tincture Poison Ivy.

License No. 103—Allergy Laboratories, Inc., Oklahoma City, Okla.

Miscellaneous

Allergenic Extracts.

License No. 107—Porro Biological Laboratories, Tacoma, Wash.

Miscellaneous

Allergenic Extracts.

License No. 110—Pitman-Moore, Division of The Dow Chemical Co., Zionsville, Ind.

Antitoxins

Perfringens Antitoxin.
Tetanus Antitoxin.
Tetanus and Gas Gangrene Polyvalent Antitoxin.
V. septique Antitoxin.

Blood and Blood Derivatives

Immune Serum Globulin (Human).
Normal Serum Albumin (Human).
Poliomyelitis Immune Globulin (Human).

Bacterial Vaccines

Pertussis Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.
One polyvalent bacterial vaccine with "No U.S. Standard of Potency".

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Staphylococcus Toxoid.
Tetanus Toxoid.

Multiple Antigen Preparations

Adenovirus and Influenza Virus Vaccines Combined Aluminum Hydroxide Adsorbed.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Alum Precipitated.
Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids and Pertussis and Poliomyelitis Vaccines Aluminum Phosphate Adsorbed.
Diphtheria and Tetanus Toxoids and Poliomyelitis Vaccine.
Diphtheria and Tetanus Toxoids Combined Alum Precipitated.
Diphtheria Toxoid Alum Precipitated and Pertussis Vaccine Combined.

Viral and Rickettsial Vaccines

Adenovirus Vaccine.
Influenza Virus Vaccine.
Measles Virus Vaccine, Live, Attenuated.
Poliomyelitis Vaccine.
Rabies Vaccine.
Typhus Vaccine.

Diagnostic Substances for Dermal Tests

Tuberculin, Old.

License No. 113—Michael Reese Research Foundation, Chicago, Ill.

Therapeutic Immune Serums

Mumps Immune Serum (Human).

Blood and Blood Derivatives

Antihemophilic Plasma (Human).
Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Normal Human Plasma.
Normal Human Serum.
Packed Red Blood Cells (Human).
Resuspended Red Blood Cells (Human).
Single Donor Plasma (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
- Anti-Rh$_o$ (Anti-D).
- Anti-Rh$_o$' (Anti-CD).
- Anti-Rh$_o$'' (Anti-DE).
- Anti-Rh$_o$ rh' rh'' (Anti-CDE).
- Anti-rh' (Anti-C).
- Anti-rh'' (Anti-E).

Anti-hr' (Anti-c).
Anti-hr'' (Anti-e).
Anti-K Serum (Anti-Kell).
Anti-Le^a Serum (Anti-Lewis).
Anti-M Serum.
Anti-N Serum.
Anti-U Serum (Anti-Ss).
Anti-Human Serum.
Reagent Red Blood Cells (Human).

Miscellaneous

Blood Group Specific Substance A.
Blood Group Specific Substance B.
Blood Group Specific Substances A and B.

License No. 119—Barry Laboratories, Inc., Detroit, Mich.

Bacterial Vaccines

Nine polyvalent bacterial vaccines with "No U.S. Standard of Potency".

Miscellaneous

Allergenic Extracts.
Poison Ivy Extracts.
Poison Ivy Extract Alum Precipitated.
Poison Ivy-Oak-Sumac Extracts Combined.
Poison Sumac Extract.

License No. 120—Bureau of Biologic Products, Division of Laboratories, Illinois Department of Public Health, Chicago, Ill.

Bacterial Vaccines

Pertussis Vaccine.
Typhoid Vaccine.
Typhoid and Paratyphoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.

Multiple Antigen Preparations

Diphtheria Toxoid Alum Precipitated and Pertussis Vaccine Combined.

Viral and Rickettsial Vaccines

Rabies Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.

License No. 121—Texas State Department of Health, Austin, Tex.

Bacterial Vaccines

Pertussis Vaccine.
Typhoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Diphtheria Toxoid Aluminum Hydroxide Precipitated.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Hydroxide Precipitated.

Multiple Antigen Preparations

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Hydroxide Precipitated.
Diphtheria and Tetanus Toxoids Combined Aluminum Hydroxide Precipitated.
Diphtheria Toxoid and Pertussis Vaccine Combined Alum Precipitated.
Tetanus and Diphtheria Toxoids Combined Aluminum Hydroxide Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Rabies Vaccine.

Diagnostic Substances for Dermal Tests

Diphtheria Toxin for Schick Test.
Schick Test Control.
Tuberculin, Old.

License No. 125—Hynson, Westcott & Dunning, Baltimore, Md.

Miscellaneous

Cobra Venom Solution.
Cobra Venom with Silicic and Formic Acids.

License No. 129—The Wellcome Foundation, Ltd., Wellcome Research Laboratories, Beckenham, Kent, England

Antitoxins

Gas Gangrene Polyvalent Antitoxin.
Tetanus Antitoxin.

Diagnostic Substances for Laboratory Tests

Anti-Human Chorionic Gonadotropic Serum.

Miscellaneous

Russell Viper Venom.
Streptokinase-Streptodornase.

License No. 139—The Philadelphia Blood Center, Philadelphia, Pa.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).
Poliomyelitis Immune Globulin (Human).
Single Donor Plasma (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
- Anti-Rh$_o$ (Anti-D).
- Anti-Rh$_o$' (Anti-CD).
- Anti-Rh$_o$'' (Anti-DE).
- Anti-Rh$_o$rh' rh'' (Anti-CDE).
- Anti-rh' (Anti-C).
- Anti-rh'' (Anti-E).
- Anti-hr' (Anti-c).
- Anti-hr'' (Anti-e).

Anti-Fy^a Serum (Anti-Duffy).
Anti-K Serum (Anti-Kell).
Anti-M Serum.
Anti-N Serum.
Anti-Human Serum.
Reagent Red Blood Cells (Human).

License No. 140—Travenol Laboratories, Inc., Morton Grove, Ill., and Cleveland, Miss.; Hyland Division Travenol Laboratories, Inc., Los Angeles, Calif.

Therapeutic Immune Serums

Anti-Hemophilus Influenzae Type b Serum.

Blood and Blood Derivatives

Antihemophilic Factor (Human).
Antihemophilic Plasma (Human).
Citrated Whole Blood (Human).
Fibrinogen (Human).
Immune Serum Globulin (Human).
Measles Immune Globulin (Human).
Mumps Immune Globulin (Human).
Normal Human Plasma.
Normal Serum Albumin (Human).
Packed Red Blood Cells (Human).
Pertussis Immune Globulin (Human).
Plasma Protein Fraction (Human).
Poliomyelitis Immune Globulin (Human).
Single Donor Plasma (Human).
Tetanus Immune Globulin (Human).

Bacterial Antigens

Pseudomonas Polysaccharide.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
- Anti-Rh$_o$ (Anti-D).
- Anti-Rh$_o$' (Anti-CD).
- Anti-Rh$_o$'' (Anti-DE).
- Anti-Rh$_o$ rh' rh'' (Anti-CDE).
- Anti-rh' (Anti-C).
- Anti-rh'' (Anti-E).
- Anti-hr' (Anti-c).
- Anti-hr'' (Anti-e).
- Anti-rh^w (Anti-C^w).

Anti-Fy^a Serum (Anti-Duffy).
Anti-I Serum.
Anti-K Serum (Anti-Kell).
Anti-Le^a Serum (Anti-Lewis).
Anti-M Serum.
Anti-N Serum.
Anti-S Serum.
Anti-s Serum.
Anti-Human Chorionic Gonadotropic Serum.
Anti-Human Serum.
Haemophilus influenzae Typing Serum.
Reagent Red Blood Cells (Human).

License No. 147—Endo Laboratories, Inc., Garden City, N.Y.

Miscellaneous

Allergenic Extracts.

License No. 149—Armour Pharmaceutical Co., Chicago, Ill., Kankakee, Ill.

Blood and Blood Derivatives

Immune Serum Globulin (Human).
Normal Human Plasma.
Normal Serum Albumin (Human).
Poliomyelitis Immune Globulin (Human).

License No. 152—Gotham Pharmaceutical Co., Brooklyn, N.Y.

Miscellaneous

Allergenic Extracts.

License No. 154—John Elliott Blood Bank of Dade County, Inc., Miami, Fla.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 155—Wiener Serum Laboratory, Brooklyn, N.Y.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
- Anti-Rh$_o$ (Anti-D).
- Anti-Rh$_o$' (Anti-CD).
- Anti-Rh$_o$'' (Anti-DE).
- Anti-rh' (Anti-C).
- Anti-rh'' (Anti-E).
- Anti-hr' (Anti-c).
- Anti-hr'' (Anti-e).

Anti-Fy^a Serum (Anti-Duffy).
Anti-k Serum (Anti-Cellano).
Anti-K Serum (Anti-Kell).
Anti-rh^w and Anti-K Serum (Anti-(C^w+Kell)).
Anti-M Serum.
Anti-N Serum.
Anti-Human Serum.

License No. 156—Ortho Pharmaceutical Corp., Raritan, N.J.

Blood and Blood Derivatives

Fibrinogen (Human).
Fibrinolysin (Human).
Immune Serum Globulin (Human).
Normal Serum Albumin (Human).
Profibrinolysin (Human).
Thrombin.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
- Anti-Rh$_o$ (Anti-D).
- Anti-Rh$_o$' (Anti-CD).
- Anti-Rh$_o$'' (Anti-DE).
- Anti-Rh$_o$ rh' rh'' (Anti-CDE).
- Anti-rh' (Anti-C).
- Anti-rh'' (Anti-E).
- Anti-hr' (Anti-c).
- Anti-hr'' (Anti-e).
- Anti-rh^w (Anti-C^w).

Anti-Fy^a Serum (Anti-Duffy).
Anti-k Serum (Anti-Cellano).
Anti-K Serum (Anti-Kell).
Anti-M Serum.
Anti-N Serum.
Anti-P Serum.
Anti-S Serum.
Anti-s Serum.
Anti-Human Chorionic Gonadotropic Serum.
Anti-Human Serum.
Reagent Red Blood Cells (Human).

License No. 157—Certified Blood Donor Service, Inc., Woodbury, N.Y.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
- Anti-Rh$_o$ (Anti-D).
- Anti-Rh$_o$' (Anti-CD).
- Anti-Rh$_o$'' (Anti-DE).
- Anti-Rh$_o$ rh' rh'' (Anti-CDE).
- Anti-rh' (Anti-C).
- Anti-rh'' (Anti-E).
- Anti-hr' (Anti-c).
- Anti-hr'' (Anti-e).
- Anti-rh^w (Anti-C^w).

Anti-Fy^a Serum (Anti-Duffy).
Anti-k Serum (Anti-Cellano).
Anti-K Serum (Anti-Kell).
Anti-M Serum.
Anti-N Serum.
Anti-P Serum.
Anti-S Serum.
Anti-Human Serum.
Reagent Red Blood Cells (Human).

License No. 158—Washington Blood Laboratory, Washington, D.C.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Blood Grouping Serum.

Anti-Rh Typing Serums:
Anti-Rh$_o$ (Anti-D).
Anti-Rh$_o$' (Anti-CD).
Anti-Rh$_o$'' (Anti-DE).
Anti-Rh$_o$ rh' rh'' (Anti-CDE).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).
Anti-Human Serum.

License No. 159—Blood Grouping Laboratory of Boston, Inc., Boston, Mass.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
Anti-Rh$_o$ (Anti-D).
Anti-Rh$_o$' (Anti-CD).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).
Anti-hr'' (Anti-e).
Anti-Rh^w (Anti-C^w).
Anti-Rh$_o$+Rh$_o$ (Anti-D+D^u).
Anti-Fy^a Serum (Anti-Duffy).
Anti-Gr (V$_w$) Serum.
Anti-Jk^a Serum (Anti-Kidd).
Anti-K Serum (Anti-Kell).
Anti-Kp^a Serum (Anti-Penney).
Anti-Kp^b and Anti-K Serum (Anti-Rautenberg and Anti-Kell).
Anti-Le^a Serum (Anti-Lewis).
Anti-Le^b Serum.
Anti-M Serum.
Anti-M^g Serum.
Anti-P Serum.
Anti-S Serum.
Anti-s Serum.
Anti-Wr^a Serum (Anti-Wright).
Anti-Human Serum.

License No. 163—High Titer Serum Laboratory, New York, N.Y.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
Anti-Rh$_o$ (Anti-D).
Anti-Rh$_o$' (Anti-CD).
Anti-Rh$_o$'' (Anti-DE).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).

License No. 164—Chas. Pfizer & Co., Inc., New York, N.Y., Terre Haute, Ind., and Philadelphia, Pa.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

Toxoids and Toxins for Immunization

Diphtheria Toxoid Alum Precipitated.
Tetanus Toxoid Alum Precipitated.

Multiple Antigen Preparations

Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use).

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.
Measles Virus Vaccine, Inactivated.
Measles Virus Vaccine, Live, Attenuated.
Poliomyelitis Vaccine.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
Anti-Rh$_o$ (Anti-D).
Anti-Rh$_o$' (Anti-CD).
Anti-Rh$_o$'' (Anti-DE).
Anti-Rh$_o$ rh' rh'' (Anti-CDE).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).
Anti-hr'' (Anti-e).
Anti-hr^v (Anti-V).
Anti-rh^w (Anti-C^w).
Anti-Di^a Serum (Anti-Diego).
Anti-Fy^a Serum (Anti-Duffy).
Anti-Fy^b Serum.
Anti-Jk^a Serum (Anti-Kidd).
Anti-Jk^b Serum.
Anti-K Serum (Anti-Kell).
Anti-Kp^a Serum (Anti-Penney).
Anti-Kp^b Serum (Anti-Rautenberg).

Anti-k Serum (Anti-Cellano).
Anti-Le^a Serum (Anti-Lewis).
Anti-Lu^a Serum (Anti-Lutheran).
Anti-M Serum.
Anti-N Serum.
Anti-P Serum.
Anti-S Serum.
Anti-s Serum.
Anti-U Serum (Anti-[illegible]).
Anti-Human Serum.
Reagent Red Blood Cells (Human).

Miscellaneous

Blood Group Specific Substance A.
Blood Group Specific Substance B.

License No. 165—Blood Bank Foundation, Nashville, Tenn.

Blood and Blood Derivatives

Antihemophilic Plasma (Human).
Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Normal Human Plasma.
Packed Red Blood Cells (Human).
Resuspended Red Blood Cells (Human).
Single Donor Plasma (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
  Anti-Rh$_o$ (Anti-D).
  Anti-Rh$_o$' (Anti-CD).
  Anti-Rh$_o$'' (Anti-DE).
  Anti-Rh$_o$ rh' rh'' (Anti-CDE).
  Anti-rh' (Anti-C).
  Anti-rh'' (Anti-E).
  Anti-hr' (Anti-c).
  Anti-hr'' (Anti-e).
Anti-K Serum (Anti-Kell).
Anti-Human Serum.

License No. 166—Belle Bonfils Memorial Blood Bank, Denver, Colo.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Resuspended Red Blood Cells (Human).
Single Donor Plasma (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-Rh Typing Serums:
  Anti-Rh$_o$ (Anti-D).
  Anti-Rh$_o$' (Anti-CD).
  Anti-rh'' (Anti-E).
  Anti-hr' (Anti-c).
  Anti-hr'' (Anti-e).
Anti-Fy^a Serum (Anti-Duffy).
Anti-K Serum (Anti-Kell).

License No. 167—J. K. and Susie L. Wadley Research Institute and Blood Bank, Dallas, Tex.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Anti-Rh Typing Serums:
  Anti-Rh$_o$ (Anti-D).
  Anti-rh' (Anti-C).
  Anti-rh'' (Anti-E).
  Anti-hr' (Anti-c).
Anti-Human Serum.

License No. 168—Mount Sinai Medical Research Foundation, Chicago, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-Rh Typing Serums:
  Anti-Rh$_o$ (Anti-D).
Anti-M Serum.
Anti-N Serum.
Anti-Human Serum.
Reagent Red Blood Cells (Human).

License No. 169—Chicago Blood Donor Service, Inc., Chicago, Ill.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Single Donor Plasma (Human).
Whole Blood (Human).

License No. 170—Jackson Blood Bank, Jackson, Tenn.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 171—Courtland Laboratories, Los Angeles, Calif.

Therapeutic Immune Serums

Chickenpox Immune Serum (Human).
Measles Immune Serum(Human).
Mumps Immune Serum (Human).
Pertussis Immune Serum (Human).
Scarlet Fever Immune Serum (Human).

Blood and Blood Derivatives

Antihemophilic Factor (Human)
Antihemophilic Plasma (Human).
Citrated Whole Blood (Human).
Immune Serum Globulin (Human).
Normal Serum Albumin (Human).
Normal Human Plasma.
Packed Red Blood Cells (Human).
Poliomyelitis Immune Globulin (Human).

License No. 173—Interstate Blood Bank, Inc., Memphis, Tenn., and Philadelphia, Pa.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Single Donor Plasma (Human).

License No. 175—Inter-County Blood Banks, Inc., Jamaica, N.Y.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).

License No. 178—California Transfusion Service, Los Angeles, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 179—Dade Reagents, Inc., Miami, Fla.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
Anti-Rh$_o$ (Anti-D).
Anti Rh$_o$' (Anti-CD).
Anti-Rh$_o$'' (Anti-DE).
Anti-Rh$_o$rh'rh'' (Anti-CDE).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).
Anti-hr'' (Anti-e).
Anti-rh^w (Anti-C^w).
Anti-Fy^a Serum (Anti-Duffy).
Anti-Fy^b Serum.
Anti-k Serum (Anti-Cellano).
Anti-K Serum (Anti-Kell).
Anti-Le^a Serum (Anti-Lewis).
Anti-Le^b Serum.
Anti-M Serum.
Anti-M^x Serum.
Anti-N Serum.
Anti-s Serum.
Anti-Human Serum.
Reagent Red Blood Cells (Human).

Miscellaneous

Reagent Blood Group Specific Substances A and B.

License No. 181—Jacksonville Blood Bank, Inc., Jacksonville, Fla.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-Rh Typing Serums:
Anti-Rh$_o$ (Anti-D).
Anti-Human Serum.

License No. 182—Irwin Memorial Blood Bank of the San Francisco Medical Society, San Francisco, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Normal Human Plasma.
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 183—Blood Services, Scottsdale, Ariz.

This establishment license includes the following locations.

Blood Services of Arizona, Phoenix, Ariz.
Blood Services of Fort Smith, Fort Smith, Ark.
Blood Services of Arkansas, Little Rock, Ark.
Blood Services of El Paso, El Paso, Tex.
Blood Services of Harlingen, Harlingen, Tex.
Blood Services of Houston, Houston, Tex.
Blood Services of Las Vegas, Las Vegas, Nev.
Blood Services of Louisiana, Lafayette, La.
Blood Services of Lubbock, Lubbock, Tex.
Blood Services of Mississippi, Meridian, Miss.
Blood Services of Montana, Billings, Mont.
Blood Services of Reno, Reno, Nev.
Blood Services of New Mexico, Albuquerque, N. Mex.
Blood Services of North Dakota, Fargo, N. Dak.
Blood Services of Minot, Minot, N. Dak.
Blood Services of San Antonio, San Antonio, Tex.
Blood Services of South Dakota, Rapid City, S. Dak.
Blood Services of Texarkana, Texarkana, Tex.
Blood Services of Wyoming, Cheyenne, Wyo.

Blood and Blood Derivatives

Single Donor Plasma (Human).
Whole Blood (Human).

License No. 185—Minneapolis War Memorial Blood Bank, Minneapolis, Minn.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Normal Human Plasma.
Packed Red Blood Cells (Human).
Resuspended Red Blood Cells (Human).
Single Donor Plasma (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-Rh Typing Serums:
  Anti-Rh_o (Anti-D).
  Anti-Rh_o' (Anti-CD).
  Anti-rh' (Anti-C).
  Anti-rh'' (Anti-E).
  Anti-hr' (Anti-c).

License No. 187—Milwaukee Blood Center, Inc., Milwaukee, Wis.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Normal Human Plasma.
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-Rh Typing Serums:
  Anti-Rh_o (Anti-D).
  Anti-Rh_o' (Anti-CD).
  Anti-Rh_o rh'rh'' (Anti-CDE).
Anti-Human Serum.

License No. 188—Research Foundation and University of Illinois, Chicago, Ill.

Bacterial Vaccines

BCG Vaccine.

License No. 190—The American National Red Cross, Washington, D.C.

This establishment license includes the following locations:

Asheville, N.C.
Atlanta, Ga.
Baltimore, Md.
Birmingham, Ala.
Boise, Idaho
Boston, Mass.
Buffalo, N.Y.
Burlington, Vt.
Charlotte, N.C.
Cleveland, Ohio
Columbia, S.C.
Columbus, Ohio
Daytona Beach, Fla.
Detroit, Mich.
Fort Wayne, Ind.
Galesburg, Ill.

Great Falls, Mont.
Hartford, Conn.
Huntington, W. Va.
Johnstown, Pa.
Lansing, Mich.
Little Rock, Ark.
Los Angeles, Calif.
Louisville, Ky.
Madison, Wis.
Mobile, Ala.
Muskegon, Mich.
Nashville, Tenn.
New Brighton, Pa.
New York, N.Y.
Norfolk, Va.
Omaha, Nebr.
Peoria, Ill.
Philadelphia, Pa.
Portland, Oreg.
Rio Piedras, P.R.
Roanoke, Va.
Rochester, N.Y.
Salt Lake City, Utah
San Jose, Calif.
Savannah, Ga.
Springfield, Mo.
St. Louis, Mo.
St. Paul, Minn.
Syracuse, N.Y.
Toledo, Ohio
Tulsa, Okla.
Tucson, Ariz.
Waco, Tex.
Washington, D.C.
Waterloo, Iowa
Wichita Falls, Tex.
Wichita, Kans.
Wilkes-Barre, Pa.
Yakima, Wash.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Normal Human Plasma.
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 191—Blood Bank of the Alameda-Contra Costa Medical Association, Oakland, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Resuspended Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 192—King County Central Blood Bank, Inc., Seattle, Wash.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Normal Human Plasma.

License No. 193—Center Laboratories, Port Washington, N.Y.

Miscellaneous

Allergenic Extracts.

License No. 194—Sacramento Medical Foundation Blood Bank, Sacramento, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 195—Peninsula Memorial Blood Bank, Burlingame, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).

License No. 197—Sonoma County Community Blood Bank, Santa Rosa, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 198—Tri-Counties Blood Bank, Inc., Santa Barbara, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 199—Blood Bank of Hawaii, Honolulu, Hawaii

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 201—San Diego Blood Bank, San Diego, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 202—Tacoma-Pierce County Blood Bank, Tacoma, Wash.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 203—Spokane & Inland Empire Blood Bank, Spokane, Wash.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 204—Virginia Blood Bank, Inc., Richmond, Va.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

Diagnostic Substances for Laboratory Tests

Anti-B Blood Grouping Serum.

License No. 209—Maxwell Blood Bank, The Children's Memorial Hospital, Chicago, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 212—District of Columbia General Hospital, Washington, D.C.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 213—Blood Bank of the Washington Hospital Center, Washington, D.C.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 214—Doctors Hospital Blood Bank, Washington, D.C.

Citrated Whole Blood (Human).

License No. 215—Blood Grouping Laboratory, Washington, D.C.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Normal Human Plasma.
Packed Red Blood Cells (Human).
Resuspended Red Blood Cells (Human).

License No. 218—Providence Hospital Blood Bank, Washington, D.C.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 220—Broome County Blood Center, Binghamton, N.Y.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 221—Essex County Blood Bank, East Orange, N.J.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 222—Aurora Area Blood Bank, Aurora, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 224—Community Blood and Plasma Service, Inc., Birmingham, Ala.; Mobile, Ala.; Jackson, Miss., and New York, N.Y.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 226—Blood Bank of San Bernardino and Riverside Counties, Inc., San Bernardino, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 227—Central Florida Blood Bank, Inc., Orlando, Fla.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 228—Southwest Florida Blood Bank, Inc., Tampa, Fla.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).

License No. 230—Northern California Community Blood Bank, Eureka, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 231—Dubuque Blood Bank Association, Dubuque, Iowa

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 233—Ochsner Foundation Hospital Blood Bank, New Orleans, La.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 234—Central Blood Bank of Pittsburgh, Pittsburgh, Pa.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 235—University of Cincinnati Blood Transfusion Service, Cincinnati, Ohio

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).
Resuspended Red Blood Cells (Human).
Single Donor Plasma (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-Rh Typing Serums:
Anti-Rh. (Anti-D).
Reagent Red Blood Cells (Human).

License No. 237—Shreveport Emergency Blood Bank, Inc., Shreveport, La.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 238—Istituto Sieroterapico Vaccinogeno Toscano Sclavo, Siena, Italy

Antitoxins

Diphtheria Antitoxin.
Tetanus Antitoxin.

Therapeutic Immune Serums

Antirabies Serum.

Bacterial Vaccines

Typhoid and Paratyphoid Vaccine.

Toxoids and Toxins for Immunization

Diphtheria Toxoid.
Diphtheria Toxoid Aluminum Hydroxide Adsorbed.
Diphtheria Toxoid Aluminum Phosphate Adsorbed.
Staphylococcus Toxoid.
Tetanus Toxoid.
Tetanus Toxoid Aluminum Hydroxide Adsorbed.

License No. 239—Houchin Community Blood Bank, Bakersfield, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 240—Memphis Blood Center, Inc., Memphis, Tenn.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 241—Community Blood and Plasma Service, Inc. of Texas, Houston, Tex., Dallas, Tex., and Los Angeles, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).

License No. 244—Travis County Medical Society Blood Bank, Austin, Tex.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 246—Coffee Memorial Blood Center, Inc., Amarillo, Tex.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 248—Central Blood Bank, Inc., South Bend, Ind.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 249—Northern Illinois Blood Bank, Inc., Rockford, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 250—St. Luke's Hospital Blood Bank, Aberdeen, S. Dak.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 251—Jacob Blumberg Memorial Blood Bank, Inc., of the Lake County Medical Society, Waukegan, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 254—Knoxville Blood Center, Inc., Knoxville, Tenn.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 258—Osterreichisches Institut für Haemoderivate, Vienna, Austria

Distributor—Philips Roxane, Inc., Columbus, Ohio

Blood and Blood Derivatives

Immune Serum Globulin (Human).
Plasma Protein Fraction (Human).
Poliomyelitis Immune Globulin (Human).
Tetanus Immune Globulin (Human).

License No. 259—Holston Valley Community Hospital Blood Bank, Kingsport, Tenn.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 260—St. Francis Hospital Blood Bank, Trenton, N.J.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 261—Hospital Blood Service, Inc., Detroit, Mich.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 263—The Community Blood Bank of Norton, Inc., Norton, Va.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 265—Stewart Blood Bank, Inc., Tyler, Tex.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 266—Blood Bank of The Bryn Mawr Hospital, Bryn Mawr, Pa.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 267—Blood Bank of St. Luke's Hospital (Duluth), Duluth, Minn.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 268—Interstate Blood Bank, Inc., St. Louis, Mo.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).

License No. 269—Beverly Blood Center, Inc., Chicago, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 270—Marietta Memorial Hospital, Marietta, Ohio

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 271—St. Luke's Memorial Hospital Blood Bank, Racine, Wis.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 272—Michigan Community Blood Center, Detroit, Mich., and Saginaw, Mich.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 273—Oklahoma City Community Blood Bank, Inc., Oklahoma City, Okla.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 274—Bergen Community Blood Bank, Paramus, N.J.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 276—Western Pennsylvania Blood Center, Inc., Pittsburgh, Pa., and Wheeling, W. Va.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 277—Community Memorial General Hospital, La Grange, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 278—Pioneer Blood Service, Inc., Brooklyn, N.Y.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 279—Menolasino Laboratories, Chicago, Ill.

Diagnostic Substances for Laboratory Tests

Anti-Human Serum.

License No. 283—Hoffmann Laboratories, Inc., Fair Lawn, N.J.

Bacterial Antigens

One polyvalent bacterial antigen with "No U.S. Standard of Potency".

License No. 284—Rhode Island Hospital Blood Bank, Providence, R.I.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 285—Marathon County Blood Bank, Inc., Wausau, Wis.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 286—Edgewater Hospital Blood Bank, Chicago, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 288—Delta Blood Bank, Stockton, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 289—Hospital University of Pennsylvania Blood Bank, Philadelphia, Pa.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Anti-Rh Typing Serums:
  Anti-Rh$_0$ (Anti-D).
Anti-K Serum (Anti-Kell).
Anti-Human Serum.

License No. 290—Pineview General Hospital Blood Bank, Valdosta, Ga.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 295—Community Blood Bank and Serum Service, Hoboken, N.J.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 296—Midwest Blood Service, Inc., Detroit, Mich.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 298—Lewiston-Clarkston Blood Bank, Lewiston, Idaho

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 299—Delmont Laboratories, Inc., Swarthmore, Pa.

Bacterial Antigens

One polyvalent bacterial antigen with "No U.S. Standard of Potency".

License No. 300—Massachusetts General Hospital Blood Bank, Boston, Mass.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 301—Cleveland Biologicals, Inc., Cleveland, Ohio, and Akron, Ohio

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 302—Community Blood Bank of the Kansas City Area, Inc., Kansas City, Mo.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 304—Lane Memorial Blood Bank, Eugene, Oreg.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 305—Interstate Blood Bank, Inc., of Chicago, Illinois, Chicago, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 306—Purex Laboratories, Inc., Staten Island, N.Y.

Miscellaneous

Allergenic Extracts.

License No. 308—Greer Drug & Chemical Corp., Lenoir, N.C.

Miscellaneous

Allergenic Extracts.

License No. 309—Suburban Hospital Blood Bank, Bethesda, Md.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 310—Arlington Hospital Blood Bank, Arlington, Va.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 312—World Blood Bank, Inc., Kansas City, Mo.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).

License No. 313—Southeastern General Hospital, Inc., Lumberton, N.C.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 314—Blood Bank, N.C. Memorial Hospital, University of North Carolina, Chapel Hill, N.C.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 315—Central California Blood Bank, Fresno, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 316—Maine Medical Center Blood Bank, Portland, Maine

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 317—St. Vincent Hospital Blood Bank, Erie, Pa.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 318—Chicago Wesley Memorial Hospital Blood Bank, Chicago, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 320—Garden State Blood Bank, Newark, N.J.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 321—National Blood Bank, Inc., New York, N.Y.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 325—A/B Kabi, Stockholm, Sweden

Miscellaneous

Streptokinase.

License No. 326—New Hanover Memorial Hospital Blood Bank, Wilmington, N.C.

Blood and Blood Derivatives

Whole Blood (Human).

License No. 327—The Elizabeth General Hospital and Dispensary, Elizabeth, N.J.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 332—Tri-Cities Blood Service, Inc., Johnson City, Tenn.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 333—Central Blood Service, Inc., Baltimore, Md.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 334—Berkeley Biologicals, Berkeley, Calif.

Miscellaneous

Allergenic Extracts.

License No. 336—Eastern Blood Bank, Jersey City, N.J.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 337—Glaxo Laboratories, Ltd., Greenford, Middlesex, England

Distributors—Eli Lilly & Co., Indianapolis, Ind., and Scientific Instrument Company, Inc., Bay Shore, New York, N.Y.

Bacterial Vaccines

BCG Vaccine.

Diagnostic Substances for Dermal Tests

Tuberculin, Purified Protein Derivative.

License No. 338—Pfizer, Ltd., Sandwich, Kent, England

Distributor—Pfizer Laboratories, New York, N.Y.

Viral and Rickettsial Vaccines

Poliovirus Vaccine, Live, Oral, Trivalent.
Poliovirus Vaccine, Live, Oral, Type 1.
Poliovirus Vaccine, Live, Oral, Type 2.
Poliovirus Vaccine, Live, Oral, Type 3.

License No. 339—Harrison County Blood Bank, Clarksburg, W. Va.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 343—Specific Serums, Inc., Hoboken, N.J.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Anti-Rh Typing Serums:
- Anti-Rh_o (Anti-D).
- Anti-Rh_o' (Anti-CD).
- Anti-Rh_o'' (Anti-DE).
- Anti-Rh_o rh' rh'' (Anti-CDE).
- Anti-rh' (Anti-C).
- Anti-rh'' (Anti-E).
- Anti-hr' (Anti-c).
- Anti-hr'' (Anti-e).
- Anti-rh^w (Anti-C^w).

Anti-Fy^a Serum (Anti-Duffy).
Anti-k Serum (Anti-Cellano).
Anti-K Serum (Anti-Kell).
Anti-M Serum.
Anti-N Serum (Human).
Anti-Human Serum.
Reagent Red Blood Cells (Human).

License No. 344—Spectra Biologicals Division Becton-Dickinson & Company, East Brunswick, N.J.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.

Absorbed Anti-A Serum.
Anti-Rh Typing Serums:
Anti-Rh$_o$ (Anti-D).
Anti-Rh$_o$' (Anti-CD).
Anti-Rh$_o$'' (Anti-DE).
Anti-Rh$_o$ rh' rh'' (Anti-CDE).
Anti-rh' (Anti-C).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).
Anti-hr'' (Anti-e).
Anti-rh^w (Anti-C^w).
Anti-Di^a Serum (Anti-Diego).
Anti-Fy^a Serum (Anti-Duffy).
Anti-Fy^b Serum.
Anti-Jk^a Serum (Anti-Kidd).
Anti-Js^a Serum (Anti-Sutter).
Anti-k Serum (Anti-Cellano).
Anti-K Serum (Anti-Kell).
Anti-Kp^a Serum (Anti-Penney).
Anti-Kp^b Serum (Anti-Rautenberg).
Anti-M Serum.
Anti-Mi^a Serum (Anti-Miltenberger).
Anti-P Serum.
Anti-S Serum.
Anti-s Serum.
Anti-Human Serum.
Reagent Red Blood Cells (Human).

License No. 345—Scientific Blood Bank, Inc., Chicago, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Packed Red Blood Cells (Human).

License No. 346—Ohio Valley Blood Service, Inc., Evansville, Ind.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).

License No. 347—Banco de Sangre Metropolitano, Inc., Santurce, Puerto Rico

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 348—Des Moines County Medical Society Blood Bank, Inc., Burlington, Iowa

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 349—National Bio Serums, Inc., Port Reading, N.J.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum.
Anti-B Blood Grouping Serum.
Anti-A,B Blood Grouping Serum.
Anti-Rh Typing Serums:
Anti-Rh$_o$ (Anti-D).
Anti-Rh$_o$'' (Anti-DE).
Anti-Rh$_o$ rh' rh'' (Anti-CDE).
Anti-rh' (Anti-C).
Anti-Rh$_o$' (Anti-CD).
Anti-rh'' (Anti-E).
Anti-hr' (Anti-c).
Anti-hr'' (Anti-e).
Anti-rh^w (Anti-C^w).
Anti-Fy^a Serum (Anti-Duffy).
Anti-Jk^a Serum (Anti-Kidd).
Anti-K Serum (Anti-Kell).
Anti-M Serum.
Anti-N Serum.
Anti-Human Serum.
Reagent Red Blood Cells (Human).

License No. 350—Cambridge Nuclear Corporation, Cambridge, Mass.

Blood and Blood Derivatives

Radio-Iodinated (I^{131}) Serum Albumin (Human).

License No. 351—Evans Medical Limited, Speke, Liverpool, England

Diagnostic Substances for Dermal Tests

Tuberculin, Purified Protein Derivative.

License No. 354—New Orleans Blood Bank, New Orleans, La.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).

License No. 355—Alexandria Hospital Blood Bank, Alexandria, Va.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 356—Dayton Biologicals, Inc., Dayton, Ohio

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 357—Greenville General Hospital Blood Bank, Greenville, S.C.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 358—Institute Plant Employees' Blood Bank, Chemicals Division, Union Carbide Corp., Institute, W. Va.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 359—Princeton Laboratory Products Co., Princeton, N.J.

Diagnostic Substances for Laboratory Tests

Anti-Human Chorionic Gonadotropic Serum.

License No. 360—Merced County General Hospital Blood Bank, Merced, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 361—Blood Bank of Alaska, Inc., Anchorage, Alaska

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 362—Miles Laboratories, Inc., Elkhart, Ind.; Ames Company Division, Miles Laboratories, Inc., Billerica, Mass., and Dome Laboratories Division, Miles Laboratories, Inc., New York, N.Y.

Blood and Blood Derivatives

Radio-Iodinated (I^{131}) Serum Albumin (Human).

Miscellaneous

Allergenic Extracts.
Allergenic Extracts Alum Precipitated.
Poison Ivy Extract Alum Precipitated.

License No. 363—Organon, Inc., West Orange, N.J.

Diagnostic Substances for Laboratory Tests

Anti-Human Chorionic Gonadotropic Serum.

License No. 364—Beecham Group Ltd., Worthing, Sussex, England

Miscellaneous

Allergenic Extracts.

License No. 365—Fairfax Hospital Blood Bank, Falls Church, Va.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 366—Scott County Medical Society Blood Bank, Inc., Davenport, Iowa

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Single Donor Plasma (Human).

License No. 368—Dunklin County Memorial Hospital, Kennett, Mo.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 369—Holy Cross Hospital of Silver Spring Blood Bank, Silver Spring, Md.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Whole Blood (Human).

License No. 371—United Biologics Corp., San Francisco, Calif.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).

License No. 372—Broemmel Pharmaceuticals, San Francisco, Calif.

Miscellaneous

Poison Ivy Extract.
Poison Oak Extract.

License No. 373—Rock Island County Blood Bank, Inc., Rock Island, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 374—Atlantic Clinical Laboratory Blood Bank, Miami Beach, Fla.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 375—Blood Bank of the Maryland General Hospital, Baltimore, Md.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 376—Philips Roxane, Inc., St. Joseph, Mo.

Viral and Rickettsial Vaccines

Measles Virus Vaccine, Live, Attenuated.

License No. 378—N. V. Organon, Oss, The Netherlands

Diagnostic Substances for Laboratory Tests

Anti-Human Chorionic Gonadotropic Serum.

License No. 379—Central Laboratory of The Netherlands Red Cross, Blood Transfusion Service, Amsterdam, The Netherlands

Blood and Blood Derivatives

Immune Serum Globulin (Human).

License No. 380—Sibley Memorial Hospital, Washington, D.C.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).

License No. 381—The Roosevelt Hospital, New York, N.Y.

Miscellaneous

Allergenic Extracts.

License No. 382—Nyegaard & Co. A/S, Oslo, Norway

Blood and Blood Derivatives

Modified Plasma (Bovine).

License No. 383—Agricultural Biologicals Corporation, Lynbrook, N.Y.

Miscellaneous

Collagenase.

License No. 384—Institut Merieux, Lyon, France

Diagnostic Substances for Dermal Tests

Tuberculin, Old.

License No. 386—Community Blood Council of Greater New York, Inc., The New York Blood Center, New York, N.Y.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Packed Red Blood Cells (Human).
Single Donor Plasma (Human).

License No. 387—Phoebe Putney Memorial Hospital Blood Bank, Albany, Ga.

Blood and Blood Derivatives

Citrated Whole Blood (Human)

License No. 388—Medical Center Blood Bank, Columbus, Ga.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 389—Community Blood Bank of Central Iowa, Des Moines, Iowa

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 390—St. Barnabas Hospital for Chronic Diseases, Bronx, N.Y.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 391—Medix, Inc., Chicago, Ill.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 392—Washington Homoeopathic Pharmacy, Washington, D.C.

Miscellaneous

Poison Ivy Extract.

License No. 393—N. V. Philips-Duphar, Weesp and Olst, The Netherlands

Viral and Rickettsial Vaccines

Influenza Virus Vaccine.

License No. 394—Community Blood Center, Dayton, Ohio

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Single Donor Plasma (Human).

License No. 395—Perth Amboy General Hospital, Perth Amboy, N.J.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 396—National Blood Service, Inc., Baltimore, Md.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).

License No. 397—Laboratorio y Banco de Sangre Arreche, Santurce, Puerto Rico

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 398—Community Blood Bank of Marion County, Inc., Indianapolis, Ind.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 399—Blood Bank of Deaconess Hospital, Inc., Evansville, Ind.

Blood and Blood Derivatives

Citrated Whole Blood (Human).

License No. 400—National Blood Service of Philadelphia, Inc., Philadelphia, Pa.

Blood and Blood Derivatives

Citrated Whole Blood (Human).
Heparinized Whole Blood (Human).
Single Donor Plasma (Human).

License No. 401—Chattanooga Blood Center, Inc., Chattanooga, Tenn.

Blood and Blood Derivatives

Packed Red Blood Cells (Human).
Whole Blood (Human).

License No. 402—Palo Alto-Stanford Hospital Center, Palo Alto, Calif.

Blood and Blood Derivatives

Whole Blood (Human).

License No. 403—St. Joseph Hospital, Inc., Baltimore, Md.

Blood and Blood Derivatives

Whole Blood (Human).

License No. 404—Blood Bank and Serum Service, Inc., New York, N.Y.

Blood and Blood Derivatives

Whole Blood (Human).

License No. 405—Harrisburg Polyclinic Hospital, Harrisburg, Pa.

Blood and Blood Derivatives

Whole Blood (Human).

Part II. List of Biologic Products With License Numbers of Establishment Licensed for Each Product

Antitoxins

B. *oedematiens* Antitoxin—1.
Botulism Antitoxin—17.
Botulism Antitoxin, Type E—73.
Diphtheria Antitoxin—1, 3, 8, 17, 56, 64, 73, 99, 101, 238.
Dysentery Antitoxin, Shiga—1.
Gas Gangrene Polyvalent Antitoxin—3, 17, 101, 129.
Perfringens Antitoxin—1, 56, 110.
Staphylococcus Antitoxin—73.
Tetanus Antitoxin—1, 2, 3, 8, 17, 21, 56, 64, 73, 99, 101, 110, 129, 238.
Tetanus and Gas Gangrene Polyvalent Antitoxin—1, 3, 17, 56, 101, 110.
V. *septique* Antitoxin—1, 56, 110.

Therapeutic Immune Serums

Anti-Hemophilus Influenzae Type b Serum—99, 140.
Antirabies Serum—17, 238.
Chickenpox Immune Serum (Human)—171.
Measles Immune Serum (Human)—171.
Mumps Immune Serum (Human)—113, 171.
Pertussis Immune Serum (Human)—171.
Scarlet Fever Immune Serum (Human)—171.

Blood and Blood Derivatives

Aggregated Radio-Iodinated (I^{131}) Albumin (Human)—43, 52, 77.
Antihemophilic Factor (Human)—140, 171.
Antihemophilic Globulin (Human)—8, 99.
Antihemophilic Plasma (Human)—113, 140, 165, 171.
Citrated Whole Blood (Human)—84, 99, 113, 139, 140, 154, 163, 164, 165, 166, 167, 168, 170, 171, 173, 175, 178, 181, 182, 185, 187, 190, 191, 192, 194, 195, 197, 198, 199, 201, 202, 203, 204, 209, 212, 213, 214, 215, 218, 220, 221, 222, 224, 226, 227, 228, 230, 231, 233, 234, 235, 237, 239, 240, 241, 244, 246, 248, 249, 250, 251, 254, 259, 260, 261, 263, 265, 266, 267, 268, 269, 270, 271,

272, 273, 274, 276, 277, 278, 284, 285, 286, 288, 289, 290, 295, 296, 298, 300, 301, 302, 304, 305, 309, 310, 312, 313, 314, 315, 316, 317, 318, 320, 321, 327, 332, 333, 336, 339, 345, 346, 347, 348, 354, 355, 356, 357, 358, 360, 361, 365, 366, 368, 371, 373, 374, 375, 380, 386, 387, 388, 389, 390, 391, 394, 395, 396, 397, 398, 399, 400.
Fibrinogen (Human)—2, 8, 52, 99, 140, 156.
Fibrinogen with Antihemophilic Factor (Human)—2, 8.
Fibrinolysin (Human)—2, 156.
Fibrinolysin and Desoxyribonuclease Combined (Bovine)—1, 2.
Fibrinolysin and Desoxyribonuclease Combined (Bovine) with Chloramphenicol—1.
Heparinized Whole Blood (Human)—113, 164, 165, 166, 173, 182, 185, 190, 191, 221, 222, 224, 240, 241, 254, 268, 269, 272, 274, 295, 302, 305, 312, 321, 336, 345, 354, 380, 396, 400.
Histamine Azoprotein—1.
Immune Serum Globulin (Human)—1, 2, 8, 17, 52, 64, 99, 110, 140, 149, 156, 171, 258, 379.
Measles Immune Globulin (Human)—1, 17, 56, 140.
Modified Plasma (Bovine)—382.
Mumps Immune Globulin (Human)—8, 140.
Normal Bovine Serum—2.
Normal Horse Serum—2, 3, 99.
Normal Human Plasma—8, 113, 140, 149, 165, 171, 182, 185, 187, 190, 192, 215.
Normal Human Serum—113.
Normal Rabbit Serum—99.
Normal Serum Albumin (Human)—1, 2, 8, 52, 64, 73, 99, 110, 140, 149, 156, 171.
Packed Red Blood Cells (Human)—113, 139, 140, 164, 165, 166, 168, 169, 171, 175, 181, 182, 185, 187, 190, 191, 194, 195, 202, 203, 215, 221, 222, 224, 228, 234, 235, 240, 254, 269, 272, 274, 276, 278, 289, 295, 302, 305, 314, 321, 336, 345, 346, 369, 371, 386, 401.
Pertussis Immune Globulin (Human)—8, 140.
Plasma Protein Fraction (Human)—8, 64, 140, 258.
Poliomyelitis Immune Globulin (Human)—1, 2, 8, 52, 64, 110, 139, 140, 149, 171, 258.
Profibrinolysin (Human)—156.
Radio Chromated (Cr^{51}) Serum Albumin (Human)—52.
Radio-Iodinated (I^{125}) Serum Albumin (Human)—43, 52, 77.
Radio-Iodinated (I^{131}) Serum Albumin (Human)—43, 52, 77, 350, 362.
Resuspended Red Blood Cells (Human)—113, 165, 166, 185, 191, 215, 235.
Single Donor Plasma (Human)—113, 139, 140, 164, 165, 166, 169, 173, 182, 183, 185, 187, 190, 191, 194, 202, 203, 221, 222, 224, 234, 235, 240, 254, 269, 272, 274, 276, 278, 289, 295, 302, 305, 314, 321, 336, 366, 386, 394, 400.
Tetanus Immune Globulin (Human)—1, 2, 8, 17, 52, 99, 140, 258.
Thrombin—1, 8, 51, 156.
Whole Blood (Human)—169, 183, 326, 369, 401, 402, 403, 404, 405.

Bacterial Vaccines

BCG Vaccine—73, 188, 337.
Cholera Vaccine—1, 2, 3, 8, 17, 56, 101.
Pertussis Vaccine—1, 3, 8, 17, 30, 56, 64, 99, 101, 110, 120, 121.
Pertussis Vaccine, Adsorbed—99.
Pertussis Vaccine Aluminum Hydroxide Adsorbed—8.
Pertussis Vaccine Aluminum Phosphate Adsorbed—1.
Plague Vaccine—8.
Typhoid Vaccine—2, 3, 8, 11, 56, 64, 99, 101, 110, 120, 121.
Typhoid and Paratyphoid Vaccine—1, 2, 3, 8, 17, 56, 64, 99, 101, 110, 120, 238.
Polyvalent bacterial vaccines with "No U.S. Standard of Potency"—1, 8, 17, 30, 56, 91, 101, 110, 119.

Sensitized Bacterial Vaccines

Typhoid and Paratyphoid Vaccine—2.
Polyvalent sensitized bacterial vaccines with "No U.S. Standard of Potency"—2.

Bacterial Antigens

Pseudomonas Polysaccharide—140.
Polyvalent bacterial antigens with "No U.S. Standard of Potency"—1, 2, 30, 56, 283, 299.

Modified Bacterial Antigens

Polyvalent modified bacterial antigens with "No U.S. Standard of Potency"—1.

Toxoids and Toxins for Immunization

Diphtheria Toxoid—1, 3, 8, 64, 73, 101, 110, 120, 121, 238.

Diphtheria Toxoid Alum Precipitated—164.

Diphtheria Toxoid Aluminum Hydroxide Adsorbed—8, 97, 238.

Diphtheria Toxoid Aluminum Hydroxide Precipitated—121.

Diphtheria Toxoid Aluminum Phosphate Adsorbed—1, 3, 99, 238.

Scarlet Fever Streptococcus Toxin for Immunization—101.

Staphylococcus Toxoid—1, 17, 73, 101, 110, 238.

Streptococcus Erythrogenic Toxin—101.

Tetanus Toxoid—1, 2, 3, 8, 17, 56, 64, 73, 101, 110, 121, 238.

Tetanus Toxoid Alum Precipitated—164.

Tetanus Toxoid Aluminum Hydroxide Adsorbed—8, 97, 238.

Tetanus Toxoid Aluminum Hydroxide Precipitated—121.

Tetanus Toxoid Aluminum Phosphate Adsorbed—1, 3, 17, 99.

Tetanus Toxoid Aluminum Phosphate Precipitated—64.

Multiple Antigen Preparations

Adenovirus and Influenza Virus Vaccines Combined Aluminum Hydroxide Adsorbed—110.

Adenovirus and Influenza Virus Vaccines Combined Aluminum Phosphate Adsorbed—1.

Diphtheria and Tetanus Toxoids and Pertussis and Poliomyelitis Vaccines Aluminum Phosphate Adsorbed—1, 110.

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Alum Precipitated and Poliomyelitis Vaccine—2, 56.

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Aluminum Phosphate Adsorbed and Poliomyelitis Vaccine—1, 2.

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined—1, 8, 56, 101.

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Alum Precipitated—2, 8, 56, 110.

Diphtheria and Tetanus Toxoids Alum Precipitated and Pertussis Vaccine Combined—3, 101.

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed—1, 2, 3, 17, 99, 110.

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Phosphate Precipitated—64.

Diphtheria and Tetanus Toxoids Aluminum Hydroxide Adsorbed and Pertussis Vaccine Combined—8.

Diphtheria and Tetanus Toxoids Aluminum Hydroxide Adsorbed Combined—8.

Diphtheria and Tetanus Toxoids and Poliomyelitis Vaccine—110.

Diphtheria and Tetanus Toxoids Combined Aluminum Hydroxide Precipitated—121.

Diphtheria and Tetanus Toxoids Combined—1, 8, 56.

Diphtheria and Tetanus Toxoids Combined Alum Precipitated—3, 56, 101, 110.

Diphtheria and Tetanus Toxoids and Pertussis Vaccine Combined Aluminum Hydroxide Precipitated—121.

Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Adsorbed—1, 3, 17, 99.

Diphtheria and Tetanus Toxoids Combined Aluminum Phosphate Precipitated—64.

Diphtheria Toxoid Aluminum Hydroxide Adsorbed and Pertussis Vaccine Combined—8.

Diphtheria Toxoid and Pertussis Vaccine Combined—8.

Diphtheria Toxoid and Pertussis Vaccine Combined Alum Precipitated—121.

Diphtheria Toxoid Alum Precipitated and Pertussis Vaccine Combined—101, 110, 120.

Diphtheria Toxoid and Pertussis Vaccine Combined Aluminum Phosphate Adsorbed—1.

Measles-Smallpox Vaccine, Live—2.

Staphylococcus Toxoid and Bacterial Vaccine made from Staphylococcus (Aureus)—101.

Staphylococcus Toxoid and Bacterial Antigen made from Staphylococcus (Albus and Aureus)—1, 52.

Staphylococcus Toxoid—Streptococcus Toxin-Bacterial Vaccine made from Staphylococcus (Aureus), Streptococcus (Hemolyticus), Pneumococcus and Hemophilus Influenzae—101.

Tetanus Toxoid and Pertussis Vaccine Combined—8.

Tetanus and Diphtheria Toxoids Combined Alum Precipitated (For Adult Use)—2, 3, 56, 101, 164.

Tetanus and Diphtheria Toxoids Combined Aluminum Hydroxide Adsorbed (For Adult Use)—8.

Tetanus and Diphtheria Toxoids Combined Aluminum Hydroxide Precipitated (For Adult Use)—121.

Tetanus and Diphtheria Toxoids Combined Aluminum Phosphate Adsorbed (For Adult Use)—3, 17.

Tetanus and Diphtheria Toxoids Combined Aluminum Phosphate Precipitated (For Adult Use)—64.

Viral and Rickettsial Vaccines

Adenovirus Vaccine—1, 3, 110.

Equine Encephalomyelitis Vaccine (Eastern)—8.

Equine Encephalomyelitis Vaccine (Western)—8.

Influenza Virus Vaccine—1, 2, 3, 17, 56, 69, 101, 110, 164, 393.

Measles Virus Vaccine, Inactivated—56, 164.

Measles Virus Vaccine, Live, Attenuated—2, 17, 56, 110, 164, 376.

Mumps Vaccine—17, 56.

Mumps Virus Vaccine, Live—2.

Poliomyelitis Vaccine—1, 2, 8, 56, 73, 110, 164.

Poliovirus Vaccine, Live, Oral, Trivalent—3, 17, 338.

Poliovirus Vaccine, Live, Oral, Type 1—3, 17, 338.

Poliovirus Vaccine, Live, Oral, Type 2—3, 17, 338.

Poliovirus Vaccine, Live, Oral, Type 3—3, 17, 338.

Poliomyelitis Vaccine Aluminum Phosphate Adsorbed—1.

Rabies Vaccine—1, 17, 56, 99, 101, 110, 120, 121.

Rocky Mountain Spotted Fever Vaccine—17.

Smallpox Vaccine—1, 2, 3, 8, 17, 56, 64, 73, 99, 101.

Typhus Vaccine—2, 17, 56, 101, 110.

Yellow Fever Vaccine—101.

Diagnostic Substances for Dermal Tests

Blastomycin—1.

Coccidioidin—8.

Diphtheria Toxin for Schick Test—1, 3, 8, 56, 64, 99, 101, 120, 121.

Histoplasmin—1, 17, 99.

Lymphogranuloma Venereum Antigen—17, 52.

Mumps Skin Test Antigen—56.

Scarlet Fever Streptococcus Toxin for Dick Test—3.

Schick Test Control—8, 56, 64, 99, 101, 121.

Tuberculin, Old—1, 8, 56, 64, 99, 110, 121, 384.

Tuberculin, Patch Test—17.

Tuberculin, Purified Protein Derivative—1, 2, 73, 337, 351.

Tuberculin, Tine Test—17.

Diagnostic Substances for Laboratory Tests

Anti-A Blood Grouping Serum—8, 17, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 166, 167, 168, 179, 181, 185, 187, 235, 289, 343, 344, 349.

Anti-B Blood Grouping Serum—8, 17, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 166, 167, 168, 179, 181, 185, 187, 204, 235, 289, 343, 344, 349.

Anti-A,B Blood Grouping Serum—113, 139, 140, 156, 157, 158, 164, 165, 167, 179, 289, 343, 344, 349.

Absorbed Anti-A Serum—113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 179, 344.

Anti-Rh Typing Serums:

Anti-Rh$_o$ (Anti-D)—17, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 166, 167, 168, 179, 181, 185, 187, 235, 289, 343, 344, 349.

Anti-Rh$_o$' (Anti-CD)—17, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 166, 179, 185, 187, 343, 344, 349.

Anti-Rh$_o$'' (Anti-DE)—113, 139, 140, 155, 156, 157, 158, 163, 164, 165, 179, 343, 344, 349.

Anti-Rh$_o$ rh'rh'' (Anti-CDE)—17, 113, 139, 140, 156, 157, 158, 164, 165, 179, 187, 343, 344, 349.

Anti-rh' (Anti-C)—17, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 167, 179, 185, 343, 344, 349.
Anti-rh'' (Anti-E)—17, 113, 139, 140, 155, 156, 157, 158, 159, 163, 164, 165, 166, 167, 179, 185, 343, 344, 349.
Anti-hr' (Anti-c)—17, 113, 139, 140, 155, 156, 157, 158, 159, 164, 165, 166, 167, 179, 185, 343, 344, 349.
Anti-hr'' (Anti-e)—17, 113, 139, 140, 155, 156, 157, 159, 164, 165, 166, 179, 343, 344, 349.
Anti-hr^v (Anti-V)—164.
Anti-rh^w (Anti-C^w)—140, 156, 157, 159, 164, 179, 343, 344, 349.
Anti-Rh$_o$+Rh$_o$ (Anti-D+D^u)—159.
Anti-Di^a Serum (Anti-Diego)—164, 344.
Anti-Fy^a Serum (Anti-Duffy)—139, 140, 155, 156, 157, 159, 164, 166, 179, 343, 344, 349.
Anti-Fy^b Serum—164, 179, 344.
Anti-Gr (V$_w$) Serum—159.
Anti-I Serum—140.
Anti-Jk^a Serum (Anti-Kidd)—159, 164, 344, 349.
Anti-Jk^b Serum—164.
Anti-Js^a Serum (Anti-Sutter)—344.
Anti-k Serum (Anti-Cellano)—155, 156, 157, 164, 179, 343, 344.
Anti-K Serum (Anti-Kell)—113, 139, 140, 155, 156, 157, 159, 164, 165, 166, 179, 289, 343, 344, 349.
Anti-Kp^a Serum (Anti-Penny)—159, 164, 344.
Anti-Kp^b Serum (Anti-Rautenberg)—164, 344.
Anti-Kp^b and Anti-K Serum (Anti-Rautenberg and Anti-Kell)—159.
Anti-rh^w and Anti-K Serum (Anti-(C^w+Kell))—155.
Anti-Le^a Serum (Anti-Lewis)—113, 140, 159, 164, 179.
Anti-Le^b Serum—159, 179.
Anti-Lu^a Serum (Anti-Lutheran)—164.
Anti-M Serum—113, 139, 140, 155, 156, 157, 159, 164, 168, 179, 343, 344, 349.
Anti-M^g Serum—159, 179.
Anti-Mi^a Serum (Anti-Miltenberger)—344.
Anti-N Serum—113, 139, 140, 155, 156, 157, 164, 168, 179, 349.
Anti-N Serum (Human)—343.
Anti-P Serum—156, 157, 159, 164, 344.
Anti-S Serum—140, 156, 157, 159, 164, 344.
Anti-s Serum—140, 156, 159, 164, 179, 344.
Anti-U Serum (Anti-Ss)—113, 164.
Anti-Wr^a Serum (Anti-Wright)—159.
Anti-Human Chorionic Gonadotropic Serum—129, 140, 156, 359, 363, 378.
Anti-Human Serum—17, 113, 139, 140, 155, 156, 157, 158, 159, 164, 165, 167, 168, 179, 181, 187, 279, 289, 343, 344, 349.
Haemophilus influenzae Typing Serum—140.
Anti-Influenza Virus Serum for the Hemagglutination Inhibition Test—1.
Influenza Virus Hemagglutinating Antigen—1.
Pneumococcus Typing Serum—99.
Reagent Red Blood Cells (Human)—113, 139, 140, 156, 157, 164, 168, 179, 235, 343, 344, 349.

Miscellaneous

Allergenic Extracts—1, 8, 17, 43, 56, 84, 91, 103, 107, 119, 147, 152, 193, 306, 308, 334, 362, 364, 381.
Allergenic Extracts Alum Precipitated—362.
Antivenin (*Latrodectus mactans*)—2.
Antivenin (Crotalidae) Polyvalent—3.
Antivenin (Micrurus fulvius)—3.
Blood Group Specific Substance A—113, 164.
Blood Group Specific Substance B—113, 164.
Blood Group Specific Substances A and B—2, 113.
Cobra Venom Solution—125.
Cobra Venom with Silicic and Formic Acids—125.
Collagenase—383.
Oxophenarsine Hydrochloride—1.
Poison Ivy Extract—1, 2, 8, 30, 91, 102, 119, 372, 392.
Poison Ivy Extract Alum Precipitated—119, 362.
Poison Ivy-Poison Oak Extracts Combined—30, 91.
Poison Ivy-Oak-Sumac Extracts Combined—119.
Poison Oak Extract—8, 30, 91, 102, 372.
Poison Sumac Extract—119.
Reagent Blood Group Specific Substances A and B—179.
Russell Viper Venom—129.
Streptokinase—325.

Streptokinase-Streptodornase—17, 97, 129.
Tincture Poison Ivy—102.
Trichinella Extract—17.

Part III. Licensed Establishments Arranged Alphabetically

A. Domestic Establishments

	United States license No.
Abbott Laboratories, North Chicago, Ill	43
Agricultural Biologicals Corp., Lynbrook, N.Y	383
Alexandria Hospital Blood Bank, Alexandria, Va	355
Allergy Laboratories, Inc., Oklahoma City, Okla	103
American National Red Cross, Washington, D.C	190
Arlington Hospital Blood Bank, Arlington, Va	310
Armour Pharmaceutical Co., Chicago, Ill., Kankakee, Ill	149
Atlantic Clinical Laboratory Blood Bank, Miami Beach, Fla	374
Aurora Area Blood Bank, Aurora, Ill	222
Banco de Sangre Metropolitano, Inc., Santurce, Puerto Rico	347
Barry Laboratories, Inc., Detroit, Mich	119
Belle Bonfils Memorial Blood Bank, Denver, Colo	166
Bergen Community Blood Bank, Paramus, N.J	274
Berkeley Biologicals, Berkeley, Calif	334
Beverly Blood Center, Inc., Chicago, Ill	209
Blood Bank of the Alameda-Contra Costa Medical Association, Oakland, Calif	191
Blood Bank of Alaska, Inc., Anchorage, Alaska	361
Blood Bank of the Bryn Mawr Hospital, Bryn Mawr, Pa	266
Blood Bank of Deaconess Hospital, Inc., Evansville, Ind	399
Blood Bank Foundation, Nashville, Tenn	165
Blood Bank of Hawaii, Honolulu, Hawaii	199
Blood Bank of the Maryland General Hospital, Baltimore, Md	375

A. Domestic Establishments—Con.

	United States license No.
Blood Bank, N.C. Memorial Hospital, University of North Carolina,, Chapel Hill, N.C	314
Blood Bank of St. Luke's Hospital (Duluth), Duluth, Minn	267
Blood Bank of San Bernardino and Riverside Counties, Inc., San Bernardino, Calif	226
Blood Bank and Serum Service, Inc., New York, N.Y	404
Blood Bank of the Washington Hospital Center, Washington, D.C	213
Blood Grouping Laboratory, Washington, D.C	215
Blood Grouping Laboratory of Boston, Inc., Boston, Mass	159
Blood Services, Scottsdale, Ariz	183
Broemmel Pharmaceuticals, San Francisco, Calif	372
Broome County Blood Center, Binghamton, N.Y	220
California Transfusion Service, Los Angeles, Calif	178
Cambrige Nuclear Corp., Cambridge, Mass	350
Center Laboratories, Port Washington, N.Y	193
Central Blood Bank, Inc., South Bend, Ind	248
Central Blood Bank of Pittsburgh, Pittsburgh, Pa	234
Central Blood Service, Inc., Baltimore, Md	333
Central California Blood Bank, Fresno, Calif	315
Central Florida Blood Bank, Incorporated, Orlando, Fla	227
Certified Blood Donor Service, Inc., Woodbury, N.Y	157
Chas. Pfizer & Co., Inc., New York, N.Y.; Terre Haute, Ind.; Philadelphia, Pa	164
Chattanooga Blood Center, Inc., Chattanooga, Tenn	401
Chicago Blood Donor Service, Inc., Chicago, Ill	169
Chicago Wesley Memorial Hospital Blood Bank, Chicago, Ill	318
Cleveland Biologicals, Inc., Cleveland, Ohio, and Akron, Ohio	301

A. DOMESTIC ESTABLISHMENTS—Con.

	United States license No.
Coffee Memorial Blood Center, Inc., Amarillo, Tex	246
Community Blood Bank of Central Iowa, Des Moines, Iowa	389
Community Blood Bank of the Kansas City Area, Inc., Kansas City, Mo	302
Community Blood Bank of Marion County, Inc., Indianapolis, Ind	398
Community Blood Bank of Norton, Inc., Norton, Va	263
Community Blood Bank and Serum Service, Hoboken, N.J	295
Community Blood Center, Dayton, Ohio	394
Community Blood Council of Greater New York, Inc., The New York Blood Center, New York, N.Y	386
Community Blood and Plasma Service, Inc., Birmingham, Ala.; Mobile, Ala.; Jackson, Miss.; and New York, N.Y	224
Community Blood and Plasma Service, Inc., of Texas, Houston, Tex., Dallas, Tex., and Los Angeles, Calif	241
Community Memorial General Hospital, La Grange, Ill	277
Courtland Laboratories, Los Angeles, Calif	171
Cutter Laboratories, Berkeley, Calif	8
Dade Reagents, Inc., Miami, Fla	179
Dayton Biologicals, Inc., Dayton, Ohio	356
Delmont Laboratories, Inc., Swarthmore, Pa	299
Delta Blood Bank, Stockton, Calif	288
Des Moines County Medical Society Blood Bank, Inc., Burlington, Iowa	348
District of Columbia General Hospital, Washington, D.C	212
Doctors Hospital Blood Bank, Washington, D.C	214
Dubuque Blood Bank Association, Dubuque, Iowa	231
Dunklin County Memorial Hospital, Kennett, Mo	368

A. DOMESTIC ESTABLISHMENTS—Con.

	United States license No.
Eastern Blood Bank, Jersey City, N.J	336
Edgewater Hospital Blood Bank, Chicago, Ill	286
Eli Lilly and Company, Indianapolis, Ind	56
Elizabeth General Hospital and Dispensary, Elizabeth, N.J	327
Endo Laboratories, Inc., Garden City, N.Y	147
E. R. Squibb & Sons, Inc., New Brunswick, N.J	52
Essex County Blood Bank, East Orange, N.J	221
Fairfax Hospital Blood Bank, Falls Church, Va	365
Garden State Blood Bank, Newark, N.J	320
Gotham Pharmaceutical Company, Brooklyn, N.Y	152
Greenville General Hospital Blood Bank, Greenville, S.C	357
Greer Drug & Chemical Corporation, Lenoir, N.C	308
Harrisburg Polyclinic Hospital, Harrisburg, Pa	405
Harrison County Blood Bank, Clarksburg, W. Va	339
High Titer Serum Laboratory, New York, N.Y	163
Hoffmann Laboratories, Inc., Fair Lawn, N.J	283
Hollister-Stier Laboratories, Downers Grove, Ill.; Yeadon, Pa.; Spokane, Wash.; Los Angeles, Calif.; Atlanta, Ga.; Dallas, Tex	91
Holston Valley Community Hospital Blood Bank, Kingsport, Tenn	259
Holy Cross Hospital of Silver Spring Blood Bank, Silver Spring, Md	369
Hospital Blood Service, Inc., Detroit, Mich	261
Hospital University of Pennsylvania Blood Bank, Philadelphia, Pa	289
Houchin Community Blood Bank, Bakersfield, Calif	239

A. DOMESTIC ESTABLISHMENTS—Con.

	United States license No.
Hynson, Westcott and Dunning, Baltimore, Md	125
Illinois Department of Public Health, Bureau of Biologic Products, Division of Laboratories, Chicago, Ill	120
Institute Plant Employees' Blood Bank, Chemicals Division, Union Carbide Corp., Institute, W. Va	358
Inter-County Blood Banks, Inc., Jamaica, N.Y	175
Interstate Blood Bank, Inc., Memphis, Tenn., and Philadelphia, Pa	173
Interstate Blood Bank, Inc., St. Louis, Mo	268
Interstate Blood Bank, Inc. of Chicago, Illinois, Chicago, Ill	305
Irwin Memorial Blood Bank of the San Francisco Medical Society, San Francisco, Calif	182
J. K. and Susie L. Wadley Research Institute and Blood Bank, Dallas, Tex	187
Jackson Blood Bank, Jackson, Tenn	170
Jacksonville Blood Bank, Inc., Jacksonville, Fla	181
Jacob Blumberg Memorial Blood Bank, Inc., of the Lake County Medical Society, Waukegan, Ill	251
John Elliott Blood Bank of Dade County, Inc., Miami, Fla	154
King County Central Blood Bank, Inc., Seattle, Wash	192
Knoxville Blood Center, Inc., Knoxville, Tenn	254
Laboratorio y Banco de Sangre Arreche, Santurce, Puerto Rico	397
Lane Memorial Blood Bank, Eugene, Oreg	304
Lederle Laboratories Division, American Cyanamid Co., Pearl River, N.Y	17
Lewiston-Clarkston Blood Bank, Lewiston, Idaho	298
Maine Medical Center Blood Bank, Portland, Maine	316
Mallinckrodt Chemical Works, Maryland Heights, Mo	77

A. DOMESTIC ESTABLISHMENTS—Con.

	United States license No.
Marathon County Blood Bank, Inc., Wausau, Wis	285
Marietta Memorial Hospital, Marietta, Ohio	270
Massachusetts General Hospital Blood Bank, Boston, Mass	300
Massachusetts Public Health Biologic Laboratories, Boston, Mass	64
Maxwell Blood Bank, The Children's Memorial Hospital, Chicago, Ill	209
Medical Center Blood Bank, Columbus, Ga	388
Medix, Inc., Chicago, Ill	391
Memphis Blood Center, Inc., Memphis, Tenn	240
Menolasino Laboratories, Chicago, Ill	279
Merced County General Hospital Blood Bank, Merced, Calif	360
Merck Sharp & Dohme, Division of Merck & Co., Inc., West Point, Pa	2
Michael Reese Research Foundation, Chicago, Ill	113
Michigan Community Blood Center Detroit, Mich., and Saginaw, Mich	272
Michigan Department of Public Health, Bureau of Laboratories, Lansing, Mich	99
Midwest Blood Service, Inc., Detroit, Mich	296
Miles Laboratories, Inc., Elkhart, Ind	362
Milwaukee Blood Center, Inc., Milwaukee, Wis	187
Minneapolis War Memorial Blood Bank, Minneapolis, Minn	185
Mount Sinai Medical Research Foundation, Chicago, Ill	168
Mulford Colloid Laboratories, Philadelphia, Pa	102
National Bio Serums, Inc., Port Reading, N.J	349
National Blood Bank, Inc., New York, N.Y	321
National Blood Service, Inc., Baltimore, Md	396
National Blood Service of Philadelphia, Inc., Philadelphia, Pa	400

A. DOMESTIC ESTABLISHMENTS—Con.

	United States license No.
National Drug Company, Division of Richardson-Merrell Inc., Philadelphia, Pa., and Swiftwater, Pa	101
New Hanover Memorial Hospital Blood Bank, Wilmington, N.C.	326
New Orleans Blood Bank, New Orleans, La	354
Northern California Community Blood Bank, Eureka, Calif	230
Northern Illinois Blood Bank, Inc., Rockford, Ill	249
Ochsner Foundation Hospital Blood Bank, New Orleans, La	233
Ohio Valley Blood Service, Inc., Evansville, Ind	346
Oklahoma City Community Blood Bank, Inc., Oklahoma City, Okla	273
Organon Inc., West Orange, N.J	363
Ortho Pharmaceutical Corp., Raritan, N.J	156
Palo Alto-Stanford Hospital Center, Palo Alto, Calif	402
Parke, Davis & Company, Detroit, Mich	1
Peninsula Memorial Blood Bank, Burlingame, Calif	195
Perth Amboy General Hospital, Perth Amboy, N.J	395
Philadelphia Blood Center, Philadelphia Pa	139
Philips Roxane, Inc., St. Joseph, Mo	376
Phoebe Putney Memorial Hospital Blood Bank, Albany, Ga	387
Pineview General Hospital Blood Bank, Valdosta, Ga	290
Pioneer Blood Service, Inc., Bronx, N.Y	278
Pitman-Moore, Division of The Dow Chemical Company, Zionsville, Ind	110
Porro Biological Laboratories, Tacoma, Wash	107
Princeton Laboratory Products, Co., Princeton, N.J	359
Providence Hospital Blood Bank, Washington, D.C	218
Purex Laboratories, Inc., Staten Island, N.Y	306

A. DOMESTIC ESTABLISHMENTS—Con.

	United States license No.
Research Foundation and University of Illinois, Chicago, Ill	188
Rhode Island Hospital Blood Bank, Providence, R.I	284
Rock Island County Blood Bank, Inc., Rock Island, Ill	373
Roosevelt Hospital, New York, N.Y	381
Sacramento Medical Foundation Blood Bank, Sacramento, Calif	194
St. Barnabas Hospital for Chronic Diseases, Bronx, N.Y	390
St. Francis Hospital Blood Bank, Trenton, N.J	260
St. Joseph Hospital, Inc., Baltimore, Md	403
St. Luke's Hospital Blood Bank, Aberdeen, S. Dak	250
St. Luke's Memorial Hospital Blood Bank, Racine, Wis	271
St. Vincent Hospital Blood Bank, Erie, Pa	317
San Diego Blood Bank, San Diego, Calif	201
Scientific Blood Bank, Inc., Chicago, Ill	345
Scott County Medical Society Blood Bank, Inc., Davenport, Iowa	366
Sherman Laboratories, Detroit, Mich	30
Shreveport Emergency Blood Bank, Inc., Shreveport, La	237
Sibley Memorial Hospital, Washington, D.C	380
Sonoma County Community Blood Bank, Santa Rosa, Calif	197
Southeastern General Hospital, Inc., Lumberton, N.C	313
Southwest Florida Blood Bank, Inc., Tampa, Fla	328
Specific Serums, Inc., Hoboken, N.J	343
Spectra Biologicals Division, Becton-Dickinson & Co., East Brunswick, N.J	344
Spokane & Inland Empire Blood Bank, Spokane, Wash	203
Sterling Drug, Inc., Rensselaer, N.Y	69
Stewart Blood Bank, Inc., Tyler, Tex	265

A. DOMESTIC ESTABLISHMENTS—Con.

	United States license No.
Suburban Hospital Blood Bank, Bethesda, Md	309
Tacoma-Pierce County Blood Bank, Tacoma, Wash	202
Terrell's Laboratories, Fort Worth, Tex	84
Texas State Department of Health, Austin, Tex	121
Travenol, Laboratories, Inc., Cleveland, Miss., Los Angeles, Calif., and Morton Grove, Ill	140
Travis County Medical Society Blood Bank, Austin, Tex	244
Tri-Cities Blood Service, Inc., Johnson City, Tenn	332
Tri-Counties Blood Bank, Inc., Santa Barbara, Calif	198
United Biologics Corp., San Francisco, Calif	371
University of Cincinnati Blood Transfusion Service, Cincinnati, Ohio	235
Upjohn Company, Kalamazoo, Mich	51
Virginia Blood Bank, Inc., Richmond, Va	204
Washington Blood Laboratory, Washington, D.C	158
Washington Homoeopathic Pharmacy, Washington, D.C	392
Western Pennsylvania Blood Center, Inc., Pittsburgh, Pa., and Wheeling, W. Va	276
Wiener Serum Laboratory, Brooklyn, N.Y	155
World Blood Bank, Inc., Kansas City, Mo	312
Wyeth Laboratories, Inc., Marietta, Pa	3

B. FOREIGN ESTABLISHMENTS

A/B Kabi, Stockholm, Sweden	325
Behringwerke AG., Marburg-Lahn, Germany	97
Beecham Group, Ltd., Worthing, Sussex, England	364

B. FOREIGN ESTABLISHMENTS—Con.

Central Laboratory of The Netherlands Red Cross, Blood Transfusion Service, Amsterdam, The Netherlands	379
Connaught Medical Research Laboratories, University of Toronto, Willowdale, Ontario, Canada	73
Evans Medical Limited, Speke, Liverpool, England	351
Glaxo Laboratories, Ltd., Greenford, Middlesex, England	337
Institut Merieux, Lyon, France	384
Istituto Sieroterapico Vaccinogeno Toscano Sclavo, Siena, Italy	238
N. V. Organon, Oss, The Netherlands	378
N. V. Philips-Duphar, Amsterdam, The Netherlands	393
Nyegaard & Co. A/S, Oslo, Norway	382
Osterreichisches Institut für Haemoderivate, Vienna, Austria	258
Pfizer, Ltd., Sandwich, Kent, England	338
Swiss Serum and Vaccine Institute Berne, Berne, Switzerland	21
Wellcome Foundation Limited, Wellcome Research Laboratories, Beckenham, Kent, England	129

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[F.R. Doc. 68-1068; Filed, Feb. 6, 1968; 8:50 a.m.]

GPO 940-193